



An unmatched the ultimate admixture for cement concrete specially developed for fast hydration of cement with water ratio at given workability by increasing compressive strength at all ages without affecting the long term mechanical properties of concrete.

In cement concrete phenomenon of FSP-99 is observed as under :

- Even with 20% less water ensures homogeneous and consistant mortar mix with not risk of segregation.
- Due to fast wetting of cement lumps are formed and the cohesive mix insures compact mass formation thereby increasing strength of the concrete up to 20%.
- Increase workability and finish without raising cement water ratio. Reduces, cracks and shrinkage in cement concrete.
- Early extra strength.
- It allows fast removal of form work due to early gain of strength with high mechanical properties.

Doses : (a) 200 gms. of FSP-99 is sufficient for 50 kg. of Portland cement which requires 8 days curing only and produces very dense water impermeable concrete. (b) using 500 gms. of FSP-99 per 50kg. of Portland cement no curing is required, produces dense and water impermeable concrete within 8 days, resumes workable strength in 72 hours.

Comparative Compressive Strength chart with FSP-99

	Without FSP-99	FSP-99 with 200 g	FSP-99 with 500 g
3 days	135 KN	150 KN	152 KN
7 days	203 KN	213 KN	220 KN
28 days	235 KN	246 KN	252 KN

Note : Above readings are as per control mix Birla Plus Cement 1 part + Silica Sand 3 part. No change in W/C ratio.

Uses : • Very powerful admixture for cement concrete. • For getting early strength it can be used conveniently in plinth, reservoirs, safety tanks, basements, toilets, bathrooms, kitchens, water tanks, bridges, tunnels, sea walls, dams, highways, swimming pools etc.. • For effective waterproofing to fill up capillaries in concrete and masonry work. • To manufacture precast concrete elements, cantirilueves, structure, prestressed concrete, tiles etc.

Gauging Water : 15 to 20% Less

Increase in Strength : 20%